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In re Application of

Application Number

07/746,020

Filed

Aug 15, 1991

Paper No.

H/16

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**United States Patent [19]**

Kempf et al.

[11] Patent Number: **5,541,206**  
 [45] Date of Patent: **Jul. 30, 1996**

**[54] RETROVIRAL PROTEASE INHIBITING COMPOUNDS**

[75] Inventors: Dale J. Kempf, Libertyville; Daniel W. Norbeck, Crystal Lake; Hing Leung Sham; Chen Zhao, both of Gurnee, all of Ill.

[73] Assignee: Abbott Laboratories, Abbott Park, Ill.

[21] Appl. No.: 423,387

[22] Filed: Apr. 25, 1995

**Related U.S. Application Data**

[63] *DKR GRT*  
 Continuation of Ser. No. 158,587, Dec. 2, 1993, abandoned, which is a continuation-in-part of Ser. No. 998,114, Dec. 29, 1992, abandoned, which is a continuation-in-part of Ser. No. 777,626, Oct. 23, 1991, abandoned, which is a continuation-in-part of Ser. No. 746,020, Aug. 15, 1991, abandoned, which is a continuation-in-part of Ser. No. 616,170, Nov. 20, 1990, abandoned, which is a continuation-in-part of Ser. No. 518,730, May 9, 1990, Pat. No. 5,142,056, which is a continuation-in-part of Ser. No. 456,124, Dec. 22, 1989, abandoned, which is a continuation-in-part of Ser. No. 405,604, Sep. 8, 1989, abandoned, which is a continuation-in-part of Ser. No. 355,945, May 23, 1989, abandoned.

[51] Int. Cl. <sup>6</sup> A61K 31/425; C07D 413/12; C07D 417/12

[52] U.S. Cl. 514/365; 548/204; 548/194; 548/187; 548/235; 548/227; 548/228; 548/229; 514/374; 514/369; 514/370; 514/376; 514/377

[58] Field of Search 514/365, 374, 514/369, 370, 376, 377; 548/204, 194, 187, 235, 227, 228, 229

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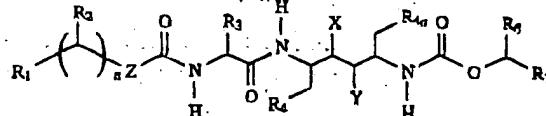
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 Attorney, Agent, or Firm—Steven R. Crowley

**[57] ABSTRACT**

A retroviral protease inhibiting compound of the formula:



is disclosed.

19 Claims, No Drawings